

Segment ID: 0406

Water body name: Black Bayou

Freshwater Stream

Cypress Creek Basin

Total size:

24 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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## Aquatic Life Use

2004	Dissolved Oxygen grab average	Use Concern	Lower 12 miles	12	17	7	
2004	Dissolved Oxygen grab average	Use Concern	Upper 12 miles	12	17	7	
2004	Dissolved Oxygen grab minimum	Partially Supporting	Lower 12 miles	12	17	6	
2004	Dissolved Oxygen grab minimum	Partially Supporting	Upper 12 miles	12	17	4	
2004	Dissolved Oxygen 24hr average	Not Assessed	Lower 12 miles	12	0		
2004	Dissolved Oxygen 24hr average	Not Supporting	Upper 12 miles	12	5	5	
2004	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 12 miles	12	0		
2004	Dissolved Oxygen 24hr minimum	Partially Supporting	Upper 12 miles	12	5	4	
2004	Acute Metals in water Lead	No Concern-Limited Data	Lower 12 miles	12	5	0	
2004	Acute Metals in water Lead	No Concern-Limited Data	Upper 12 miles	12	6	0	
2004	Chronic Metals in water Lead	No Concern-Limited Data	Lower 12 miles	12	5		0.414
2004	Chronic Metals in water Lead	No Concern-Limited Data	Upper 12 miles	12	4		0.822
2002	Macrobenthos Community	No Concern-Limited Data	Lower 12 miles	12	1	0	22
2002	Macrobenthos Community	No Concern-Limited Data	Upper 12 miles	12	1	0	22
2002	Fish Community	Fully Supporting	Lower 12 miles	12	2	0	46
2002	Fish Community	Fully Supporting	Upper 12 miles	12	2	0	50
2004	Overall Aquatic Life Use	Fully Supporting	Lower 12 miles	12			
2004	Overall Aquatic Life Use	Fully Supporting	Upper 12 miles	12			

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**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	Lower 12 miles	12	0		
2002	E. coli single sample	Not Assessed	Upper 12 miles	12	0		
2002	E. coli geometric mean	Not Assessed	Lower 12 miles	12	0		
2002	E. coli geometric mean	Not Assessed	Upper 12 miles	12	0		
2002	Fecal coliform single sample	Fully Supporting	Lower 12 miles	12	13	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Upper 12 miles	12	8	0	
2002	Fecal coliform geometric mean	Fully Supporting	Lower 12 miles	12	13		89
2002	Fecal coliform geometric mean	No Concern-Limited Data	Upper 12 miles	12	8		70
2002	Overall Recreation Use	Fully Supporting	Lower 12 miles	12			
2002	Overall Recreation Use	Not Assessed	Upper 12 miles	12			

**General Use**

2002	Water Temperature	Fully Supporting	Lower 12 miles	12	13	0	
2002	Water Temperature	No Concern-Limited Data	Upper 12 miles	12	9	0	
2002	pH	Use Concern	Lower 12 miles	12	13	2	
2002	pH	No Concern-Limited Data	Upper 12 miles	12	9	0	
2002	Chloride	Fully Supporting	Lower 12 miles	12	24		9.7
2002	Chloride	Fully Supporting	Upper 12 miles	12	24		9.7
2002	Sulfate	Fully Supporting	Lower 12 miles	12	25		6.3
2002	Sulfate	Fully Supporting	Upper 12 miles	12	25		6.3

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**General Use** (continued)

2002	Total Dissolved Solids	Fully Supporting	Lower 12 miles	12	26		76
2002	Total Dissolved Solids	Fully Supporting	Upper 12 miles	12	26		76
2002	Overall General Use	Fully Supporting	Lower 12 miles	12			
2002	Overall General Use	Fully Supporting	Upper 12 miles	12			

**Fish Consumption Use**

2002	Human Health Criteria	No Concern-Limited Data	Lower 12 miles	12	4		
2002	Human Health Criteria	No Concern-Limited Data	Upper 12 miles	12	4		
2002	Overall Fish Consumption Use	Not Assessed	Lower 12 miles	12			
2002	Overall Fish Consumption Use	Not Assessed	Upper 12 miles	12			

**Public Water Supply Use**

2002	Surface Water: Long-term average	No Concern-Limited Data	Lower 12 miles	12	4		
2002	Surface Water: Long-term average	No Concern-Limited Data	Upper 12 miles	12	4		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 12 miles	12	13		0.057
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 12 miles	12	24		0.068
2002	Surface Water: Running average	No Concern-Limited Data	Lower 12 miles	12	4		
2002	Surface Water: Running average	No Concern-Limited Data	Upper 12 miles	12	4		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 12 miles	12	13		

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**Public Water Supply Use** (continued)

2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 12 miles	12	24		
2002	Overall Public Water Supply Use	Fully Supporting	Lower 12 miles	12			
2002	Overall Public Water Supply Use	Fully Supporting	Upper 12 miles	12			

**Overall Use Support**

2004		Fully Supporting	Lower 12 miles	12			
2004		Fully Supporting	Upper 12 miles	12			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	Lower 12 miles	12	14	1	
2002	Ammonia Nitrogen	Concern	Upper 12 miles	12	10	3	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 12 miles	12	13	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Upper 12 miles	12	10	0	
2002	Orthophosphorus	No Concern	Lower 12 miles	12	12	0	
2002	Orthophosphorus	No Concern	Upper 12 miles	12	10	0	
2002	Total Phosphorus	No Concern	Lower 12 miles	12	14	1	
2002	Total Phosphorus	No Concern	Upper 12 miles	12	10	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 12 miles	12			
2002	Overall Nutrient Enrichment Concerns	Concern	Upper 12 miles	12			

**Algal Growth Concern**

2002	Chlorophyll a	No Concern	Lower 12 miles	12	14	3	
2002	Chlorophyll a	No Concern	Upper 12 miles	12	10	2	

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**Sediment Contaminants Concern**

2002	Metals in sediment	Not Assessed	Lower 12 miles	12	2		
2002	Metals in sediment	Not Assessed	Upper 12 miles	12	2		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 12 miles	12			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 12 miles	12			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 12 miles	12			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 12 miles	12			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	Lower 12 miles	12			
2002	Finished Water: Chloride	No Concern	Upper 12 miles	12			
2002	Finished Water: Sulfate	No Concern	Lower 12 miles	12			
2002	Finished Water: Sulfate	No Concern	Upper 12 miles	12			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 12 miles	12			
2002	Finished Water: Total Dissolved Solids	No Concern	Upper 12 miles	12			
2002	Finished Water: MTBE	No Concern	Lower 12 miles	12			
2002	Finished Water: MTBE	No Concern	Upper 12 miles	12			
2002	Finished Water: Perchlorate	Not Assessed	Lower 12 miles	12			
2002	Finished Water: Perchlorate	Not Assessed	Upper 12 miles	12			

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**Public Water Supply Concern** (continued)

2002	Finished Water: Overall	No Concern	Lower 12 miles	12			
2002	Finished Water: Overall	No Concern	Upper 12 miles	12			
2002	Surface Water: Chloride	No Concern	Lower 12 miles	12	24		9.7
2002	Surface Water: Chloride	No Concern	Upper 12 miles	12	24		9.7
2002	Surface Water: Sulfate	No Concern	Lower 12 miles	12	25		6.3
2002	Surface Water: Sulfate	No Concern	Upper 12 miles	12	25		6.3
2002	Surface Water: Total Dissolved Solids	No Concern	Lower 12 miles	12	26		76
2002	Surface Water: Total Dissolved Solids	No Concern	Upper 12 miles	12	26		76
2002	Surface Water: Overall	No Concern	Lower 12 miles	12			
2002	Surface Water: Overall	No Concern	Upper 12 miles	12			
2002	Overall Public Water Supply Concerns	No Concern	Lower 12 miles	12			
2002	Overall Public Water Supply Concerns	No Concern	Upper 12 miles	12			

**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	Lower 12 miles	12			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 12 miles	12			

**Overall Secondary Concern**

2002		No Concern	Lower 12 miles	12			
2002		Concern	Upper 12 miles	12			